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ABSTRACT

METHOD AND APPARATUS FOR CONTROLLING AIRFLOW

The present disclosure relates to an airflow control apparatus having a plurality of doors and outlets for controlling the airflow in a vehicular HVAC system. In one aspect, the apparatus (100) has a first chamber (106) controlled by a first door (126) and having a first outlet (110) and a first passage (127). A second chamber (129) is coupled to the first passage and also controlled by the first door. The second chamber has a second outlet (130) and a third outlet (160) which are each controlled by the second and third doors (232, 242). According to another aspect, a method of controlling airflow in a vehicular HVAC system is disclosed. The method comprises the steps of receiving (702) airflow into a first chamber; controlling the airflow out of the first chamber with a first door; controlling (704) the airflow from a second chamber to a driver zone with a second door; and controlling (706) the airflow from said second chamber to a passenger zone with a third door.